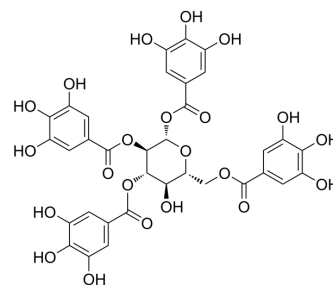


1,2,3,6-Tetragalloylglucose

Cat. No.:	HY-111832
CAS No.:	79886-50-3
Molecular Formula:	C ₃₄ H ₂₈ O ₂₂
Molecular Weight:	788.57
Target:	UGT
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (126.81 mM; Need ultrasonic)					
	Preparing Stock Solutions	<div>Solvent Concentration</div>	Mass	1 mg	5 mg	10 mg
		1 mM		1.2681 mL	6.3406 mL	12.6812 mL
		5 mM		0.2536 mL	1.2681 mL	2.5362 mL
		10 mM		0.1268 mL	0.6341 mL	1.2681 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (3.17 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (3.17 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (3.17 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	1,2,3,6-Tetragalloylglucose is a potent UDP glucuronosyltransferase 1 family, polypeptide A1 (UGT1A1) inhibitor, with a K _i of 1.68 μM ^[1] .
IC ₅₀ & Target	Ki: 1.68 μM (UGT1A1) ^[1] .

REFERENCES

[1]. Park JB, et al. Identification and characterization of in vitro inhibitors against UDP-glucuronosyltransferase 1A1 in uva-ursi extracts and evaluation of in vivo uva-ursi-drug interactions. Food Chem Toxicol. 2018 Oct;120:651-661.

Caution: Product has not been fully validated for medical applications. For research use only.

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